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Docket No.  
M1015-70089US

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Harry Lee

Applicant: **Cynthia C. Bamdad**  
Serial No.: N/A  
Filed: **February 27, 2006**  
Confirmation No.: N/A  
Title: **TECHNIQUES AND COMPOSITIONS FOR DIAGNOSIS AND TREATMENT OF CANCER (MUC 1)**  
Examiner: N/A  
Art Unit: N/A  
Attorney Docket No.: **13150-70089US**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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### INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed below and on the attached forms PTO/SB/08A and PTO/SB/08B (substitutes for form 1449/PTO) are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Copies of the cited documents are not enclosed. However, it is believed that the copies of the cited documents can be found in the files for the co-pending application 09/996,069 filed November 27, 2001, which is a parent application to the present PCT Application No. PCT/US2004/027954, since the copies of the documents have been filed on 11/04/2005 with an information disclosure statement, in connection with application 09/996,069.

English Language Documents:

US 3,854,480, ZAFFARONI, December 17, 1974
US 4,452,775, KENT, June 5, 1984
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US 5,075,109, TICE et al., December 24, 1991
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MEERZAMAN et al., "Involvement of the MAP kinase ERK2 in MUC1 mucin signaling", <i>Am. J. Physiol. Lung Cell Mol. Physiol.</i> (2001), 281: L86-L91
SPICER et al., "Molecular Cloning and Analysis of the Mouse Homologue of the Tumor-associated Mucin, MUC1, Reveals Conservation of Potential O-Glycosylation Sites, Transmembrane, and Cytoplasmic Domains and a Loss of Minisatellite-like Polymorphism", <i>The Journal of Biological Chemistry</i> (1991), 266(23): 15099-15109
VARNER et al., "Integrins and cancer", <i>Current Opinion in Cell Biology</i> (1996), 8: 724-730
HORTON, "The $\alpha v \beta 3$ Integrin "Vitronectin Receptor", <i>Int. J. Biochem. Cell Biol.</i> (1997), 29(5): 721-725
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TREON et al., "MUC-1 Core Protein is Expressed on Multiple Myeloma Cells and is Induced by Dexamethasone", <i>Blood</i> (1999), 93(4): 1287-1298
LIGTENBERG et al., "Cell-associated Episialin is a Complex Containing Two Proteins Derived

from a Common Precursor", <i>The Journal of Biological Chemistry</i> (1992), 267(9): 6171-6177
CHEN et al., "Labeling of Proteins with [ <sup>35</sup> S]Methionine and/or [ <sup>35</sup> S]Cysteine in the Absence of Cells", <i>Analytical Biochemistry</i> (1999), 269: 179-188
SAWHNEY et al., "Bioerodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly( $\alpha$ -hydroxy acid) Diacrylate Macromers", <i>Macromolecules</i> (1993), 26: 581-587
HIEKEN et al., "beta3 Integrin Expression in Melanoma Predicts Subsequent Metastasis", <i>Journal of Surgical Research</i> (1996): 63(1): 169-173(5) (abstract only)
VAILHE et al., "In vitro angiogenesis is modulated by the mechanical properties of fibrin gels and is related to alpha(v)beta3 integrin localization", <i>In Vitro Cell Dev. Biol. Anim.</i> (1997), 33(10): 763-773 (abstract only)
PEGRAM et al., "Phase II study of receptor-enhanced chemosensitivity using recombinant humanized anti-p185HER2/neu monoclonal antibody plus cisplatin in patients with HER2/neu-overexpressing metastatic breast cancer refractory to chemotherapy treatment", <i>Journal of Clinical Oncology</i> (1998), 16: 2659-2671 (abstract only)
FRALEY et al., "New generation liposomes: the engineering of an efficient vehicle for intracellular delivery of nucleic acids", <i>Trends in Biochemical Sciences</i> (1981), 6: 77-80 (abstract only)
KUFE et al., "Differential reactivity of a novel monoclonal antibody (DF3) with human malignant versus benign breast tumors", <i>Hybridoma</i> (1984), 3(3): 223-232 (abstract only)
SCHNEIDER et al., "nm23 expression in advanced and borderline ovarian carcinoma", <i>Anticancer Res.</i> (1996), 16(3A): 1197-1202 (abstract only)
MAO et al., "Loss of nm23 expression predicts distal metastases and poorer survival for breast cancer", <i>Int. J. Oncol.</i> (2001), 18(3): 587-591 (abstract only)
GREGORIADIS, "Liposomes for drugs and vaccines", <i>Trends in Biotechnology</i> (1985), 3(9): 235-241 (abstract only)

Foreign Language Document:

WO 92/07000A1, CHAMBON et al., April 30, 1992 (with English abstract)
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It is respectfully requested that the Examiner indicate consideration of the cited references by returning copies of the attached forms PTO/SB/08A and PTO/SB/08B (substitutes for form 1449/PTO) with initials or other appropriate marks, and that the references be made of record as cited references in the application.

This Information Disclosure Statement is being filed within three (3) month of the filing date and before the mailing date of a First Office Action on the merits in the above-identified case. Therefore, no fee is required.


The Commissioner is authorized to charge JHK Law's Deposit Account No. **502486** for any fees required under 37 CFR §§ 1.16 and 1.17 and to credit any overpayment to said Deposit Account No. **502486**.

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EQ 343742290 US

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IA29 Rec'd PCPTO 27 FEB 2006  
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M1015-70089US

Respectfully submitted,

February 27, 2006  
Date

  
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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO  <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>N/A</td> </tr> <tr> <td>Filing Date</td> <td>February 27, 2006</td> </tr> <tr> <td>First Named Inventor</td> <td>BAMDAD, Cynthia C.</td> </tr> <tr> <td>Art Unit</td> <td>N/A</td> </tr> <tr> <td>Examiner Name</td> <td>N/A</td> </tr> <tr> <td>Attorney Docket Number</td> <td>M1015-70089US</td> </tr> </table>		Application Number	N/A	Filing Date	February 27, 2006	First Named Inventor	BAMDAD, Cynthia C.	Art Unit	N/A	Examiner Name	N/A	Attorney Docket Number	M1015-70089US
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Sheet	1	of	2												

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US- 3,854,480	12-17-1974	ZAFFARONI	whole document
	A2	US- 4,452,775	06-05-1984	KENT	whole document
	A3	US- 4,675,189	06-23-1987	KENT et al.	whole document
	A4	US- 5,075,109	12-24-1991	TICE et al.	whole document
	A5	US- 5,133,974	07-28-1992	PARADISSIS et al.	whole document
	A6	US- 5,407,686	04-18-1995	PATEL et al.	whole document
	A7	US- 5,736,152	04-07-1998	DUNN	whole document
	A8	US- 6,127,393	10-03-2000	FERNANDEZ-POL	whole document
	A9	US- 6,548,643 B1	04-15-2003	MCKENZIE et al.	whole document
	A10	US- 2003/0130293 A1	07-10-2003	BAMDAD	whole document
	A11	US- 2003/0119834 A1	06-26-2003	BAMDAD	whole document
	A12	US- 2002/0156112 A1	10-24-2002	BAMDAD et al.	whole document
	A13	US- 09/631,818 (08-03-2000)		BAMDAD	whole document
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B1	WO 92/07000	04-30-1992	CHAMBON et al.	whole document	<input checked="" type="checkbox"/>
	B2	WO 95/24929	09-21-1995	MATHIOWITZ et al.	whole document	<input type="checkbox"/>
	B3	WO 00/34783	06-15-2000	BERGSMA et al.	whole document	<input type="checkbox"/>
	B4	WO 00/43791	07-27-2000	BAMDAD et al.	whole document	<input type="checkbox"/>
	B5	WO 02/056022 A2	07-18-2002	BAMDAD et al.	whole document	<input type="checkbox"/>
	B6	WO 02/078598 A2	10-10-2002	WRESCHNER et al.	whole document	<input type="checkbox"/>

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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<b>Sheet</b>	1	<b>of</b>	2	<b>Attorney Docket Number</b>	M1015-70089US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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